			UNITED STATES DEPAR' United States Patent and Address: COMMISSIONER F P.O. Box 1450 Alexandria, Virginia 223 www.usplo.gov	Trademark Office OR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/530,656	06/14/2005	Ulrik Mehr	66722-072-7	7353
25269 7590 03/27/2007 DYKEMA GOSSETT PLLC FRANKLIN SQUARE, THIRD FLOOR WEST 1300 I STREET, NW WASHINGTON, DC 20005			EXAMINER	
			LE, HUYEN D	
			ART UNIT	PAPER NUMBER
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3 MONTHS 03/27/2007 **PAPER**

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)					
Office Action Comments	10/530,656	MEHR ET AL.					
Office Action Summary	Examiner	Art Unit					
	HUYEN D. LE	2615					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 07 Ag	oril 2005.						
,	action is non-final.						
, <u> </u>	•						
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-3</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-3</u> is/are rejected.							
7) Claim(s) is/are objected to.							
·	· <u> </u>						
Application Papers	4						
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ■ All b) ■ Some * c) ■ None of: 1. ■ Certified copies of the priority documents have been received. 2. ■ Certified copies of the priority documents have been received in Application No. ■ 3. ■ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 4/7/05.	of the certified copies not receive 4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	(PTO-413) ate					

Application/Control Number: 10/530,656

Art Unit: 2615

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

2. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hwang (U.S. patent 5,357,051).

Regarding claim 1, Hwang teaches layered structure with electric leads (1, 2, 21, 22), and electric signals that are fed along metallic leads being adhered to a layer on the structure (figures 1-4). Hwang further teaches a first lead (21) and a second lead (22) for connecting a first terminal and a second terminal of a component as claimed (figures 1, 5, 6).

As shown in figures 1 and 2, the first and second leads (21, 22) are passed side by side and alternating on the two sides (10, 10a) of the layer (1), and the two leads (21, 22) cross one another at an angle as claimed.

Hwang does not specifically teach that the leads (21, 22) are connected to an amplifier at one end and to a hearing aid receiver at the other end. However, Hwang does teach a receiver that operatively receives the signal output from a transmitter and has a receiver loop end connected with the two leads (21, 22) at an output end portion (figure 1). Further, providing a printed circuit board with the electric leads for a hearing aid is known in the art.

Therefore, it would have been obvious to one skilled in the art to provide the printed circuit board (1, 21, 22), as taught by Hwang, for connecting an amplifier at one end and to a receiver in the other end of any electronic or audio devices such as a hearing aid for greater application.

Regarding claim 2, the leads (21, 22) of Hwang pass in a way that a maximum number of twists is achieved (figures 1-4).

Regarding claim 3, Hwang shows the leads and the through holes as claimed (see figure 1, 7 and 8).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hickox (U.S. patent 3,598,928) teaches a circuit board in a hearing aid.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HUYEN D. LE whose telephone number is (571) 272-7502. The examiner can normally be reached on 9:30AM-6:00PM.

Art Unit: 2615

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, SINH TRAN can be reached on (571) 272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

HL

March 23, 2007

PRIMARY EXAMINER